
BOURBON COUNTY

(Bourbon County Water Service Area Map)

- Estimated 1999 population of 19,200--83% on public water
- Estimated 2020 population of 18,800--88% on public water
- 165 miles of water lines, with plans for 110 additional miles
- Estimated funding needs for public water 2000-2005--\$4,168,000
- Estimated funding needs for public water 2006-2020--\$7,730,000

Bourbon County had an estimated population of 19,231 (7,737 households) in 1999 with a projected population of 18,822 (8,202 households) in 2020. Public water is provided to about 83 percent of the county's residents. In areas of the county not served by public water, about 30 percent of the households rely on private domestic wells and 70 percent of the households rely on other sources. About 380 customers will be added to public water service through new line extensions in 2000-2020.

Estimated Costs - Proposed Projects, 2000-2005

| COUNTY/System | | New Customers | | Rehab | Source | Treatment | Tanks/ Pumps | Total |
|------------------|-------------|---------------|----------------|------------|-----------|------------|-----------------|--------------|
| | Miles | Number | Cost in \$1000 | In \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 |
| BOURBON | | | | | | | | - |
| North Middletown | 1.5 | 18 | 78 | | | | | 78 |
| Harrison Co. W/A | 8.0 | 36 | 250 | | | | | 250 |
| Judy W/A | 49.0 | 183 | 2,200 | | | | 180 | 2,380 |
| Paris | | | | 700 | | 680 | | 1,380 |
| Millersburg | | | | 80 | | | | 80 |
| TOTAL | 58.5 | 237 | 2,528 | 780 | | 680 | 180 | 4,168 |

Estimated Costs - Proposed Projects, 2006-2020

| COUNTY/System | | New Customers | | Rehab | Source | Treatment | Tanks/ Pumps | Total |
|------------------|-----------|---------------|----------------|--------------|-----------|--------------|-----------------|--------------|
| | Miles | Number | Cost in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 | in \$1000 |
| BOURBON | | | | | | | | - |
| North Middletown | | | | | | | | - |
| Harrison Co. W/A | 24 | 73 | 1,030 | | | | | 1,030 |
| Judy W/A | 29 | 70 | 900 | | | | | 900 |
| Paris | | | | 1,750 | | 2,900 | 850 | 5,500 |
| Millersburg | | | | 300 | | | | 300 |
| Total | 53 | 143 | 1,930 | 2,050 | | 2,900 | 850 | 7,730 |

WATER SERVICE AREAS

BOURBON COUNTY

Kentucky

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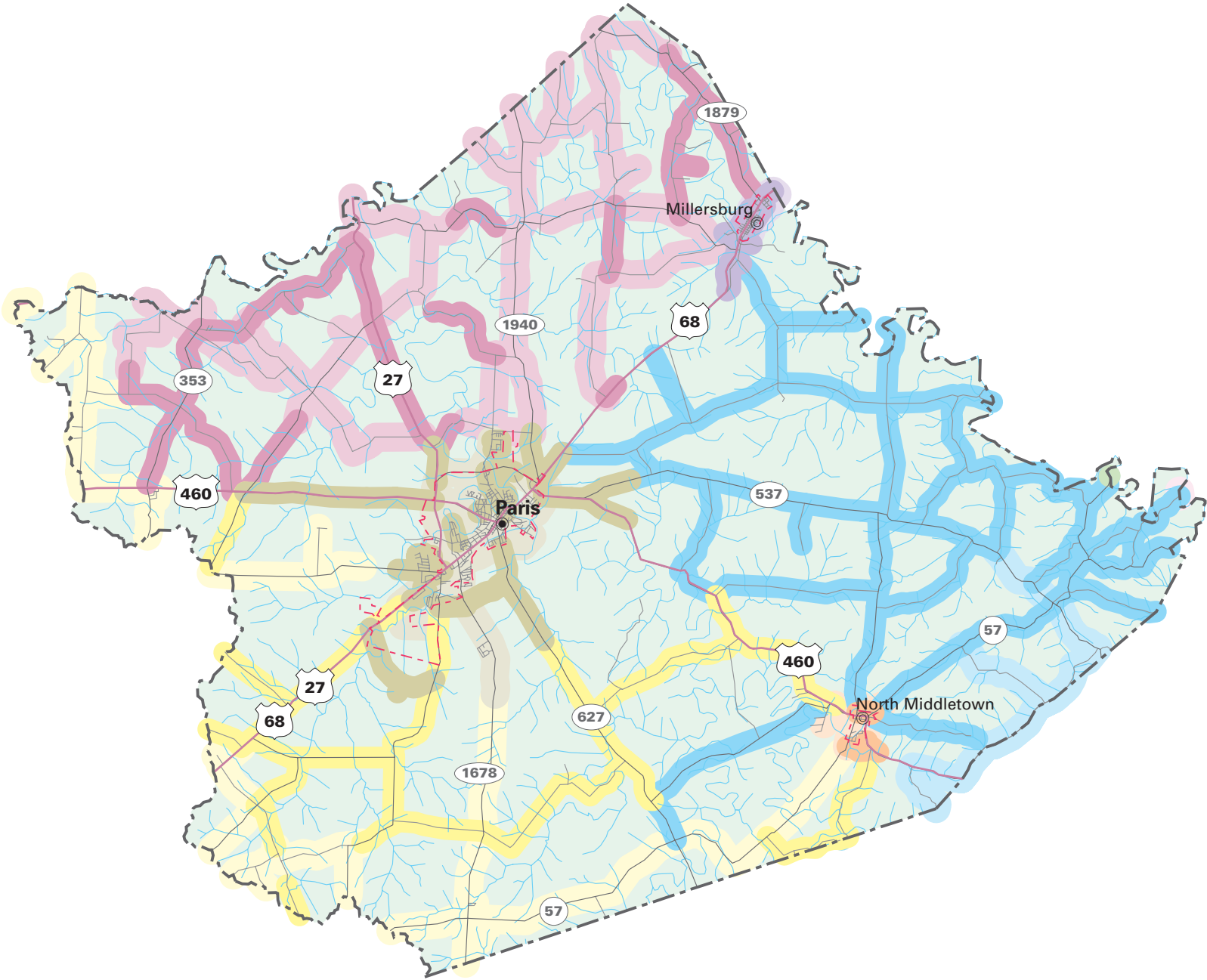
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| WATER SERVICE STATUS BY OWNER | | |
|-------------------------------|-----------------------|-----------------------------------|
| EXISTING SERVICE AREA | PROPOSED SERVICE AREA | |
| | | SHARPSBURG WATER DISTRICT |
| | | PARIS WATER WORKS |
| | | NORTH MIDDLETOWN WATER DEPARTMENT |
| | | NICHOLAS COUNTY WATER DISTRICT |
| | | MILLERSBURG MUNICIPAL WATER WORKS |
| | | KENTUCKY-AMERICAN WATER COMPANY |
| | | JUDY WATER ASSOCIATION |
| | | HARRISON COUNTY WATER ASSOCIATION |

PUBLIC WATER SYSTEMS

Bourbon County has 3 municipal water systems--Millersburg Municipal Water Works, Paris Water Works, and North Middletown Water Department. Parts of the county are also served by the Harrison County Water District, Judy Water Association, and Kentucky-American Water Company.

MILLERSBURG MUNICIPAL WATER WORKS

PWSID: 0090287
System Type:..... COMMUNITY
Owner Type: MUNICIPAL
Surface Source:..... HINKSTON CREEK
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.36
Percent Daily Average Production:..... 23.00
Total Tank Storage Capacity (gallons): 200,000.00
Total Service Connections: 425.00
Number of Employees:..... 1.00
Treatment Operator Class: 1D
Distribution Operator Class:..... 2A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons):..... Not available
Water Sold 1997 (gallons):..... Not available
Unaccounted-for Water 1997 (%): Not available

NORTH MIDDLETOWN MUNICIPAL WATER DEPARTMENT

PWSID: 0090322
System Type:..... COMMUNITY
Owner Type: MUNICIPAL
Surface Source:..... STONER CREEK
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.00
Percent Daily Average Production:..... 0.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 379.00
Number of Employees:..... 2.00
Treatment Operator Class: 1D
Distribution Operator Class:..... 2A
Customer Rate for 1,000 Gallons:..... Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available

| | |
|---|---------------|
| Total Water Produced 1997 (gallons):..... | Not available |
| Water Sold 1997 (gallons):..... | Not available |
| Unaccounted-for Water 1997 (%): | Not available |

PARIS MUNICIPAL WATER WORKS

| | |
|--|---------------|
| PWSID: | 0090343 |
| System Type:..... | COMMUNITY |
| Owner Type: | MUNICIPAL |
| Surface Source: | STONER CREEK |
| Purchase Source: | |
| Well Source: | |
| Sells Water to: | |
| Treatment Plant Capacity (MGD):..... | 3.00 |
| Percent Daily Average Production:..... | 44.00 |
| Total Tank Storage Capacity (gallons): | 1,000,000.00 |
| Total Service Connections: | 4,243.00 |
| Number of Employees:..... | 12.00 |
| Treatment Operator Class: | 2D |
| Distribution Operator Class:..... | 4A |
| Customer Rate for 1,000 Gallons:..... | Not available |
| O/M costs 1997:..... | Not available |
| O/M costs per Service Connection: | Not available |
| Net Revenue 1997: | Not available |
| Total Water Produced 1997 (gallons):..... | Not available |
| Water Sold 1997 (gallons):..... | Not available |
| Unaccounted-for Water 1997 (%): | Not available |

PRIVATE DOMESTIC SYSTEMS

About 3,300 residents of Bourbon County rely on private domestic water supplies: 1,000 on wells and 2,300 on other sources.

In the valleys of the South Fork of the Licking River, Stoner and Hinkston Creek and their major tributaries most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Wells located in upper reaches of the larger creek valleys will produce enough water for a domestic supply except during dry weather. In the upland areas of eastern and southern Bourbon County which encompasses 30% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines which may produce enough water except during dry weather.

Throughout the county ground water is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
